

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/470,997B
Source: 1600
Date Processed by STIC: 4/26/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/470,997B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5 J Variable Length Sequence(s) 9-17 (maybe more) contain amino acid representing more than one residue. **Per Sequence Rules, each a.a. can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/09/470,997B

TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

3 <110> APPLICANT: Proteus Molecular Design Limited
 4 James, Glover F
 5 Rushton, Arthur
 6 Morgan, Phillip J
 7 Young, Stephen C
 9 <120> TITLE OF INVENTION: Angiotensin Derivatives
 11 <130> FILE REFERENCE: GLOV3002/REF
 13 <140> CURRENT APPLICATION NUMBER: US 09/470,997B
 14 <141> CURRENT FILING DATE: 1999-12-23
 16 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01833
 17 <151> PRIOR FILING DATE: 1998-06-23
 19 <160> NUMBER OF SEQ ID NOS: 31
 21 <170> SOFTWARE: PatentIn version 3.2
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 10
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Unknown
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: mammalian peptide hormone angiotensin I
 31 <400> SEQUENCE: 1
 33 Asp Arg Val Tyr Ile His Pro Phe His Leu
 34 1 5 10
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 8
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Unknown
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: mammalian peptide hormone angiotensin II
 45 <400> SEQUENCE: 2
 47 Asp Arg Val Tyr Ile His Pro Phe
 48 1 5
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 12
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Unknown
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Angiotensin I derivative
 59 <400> SEQUENCE: 3
 61 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys
 62 1 5 10
 65 <210> SEQ ID NO: 4
 66 <211> LENGTH: 10
 67 <212> TYPE: PRT

pp 3-5
 Does Not Comply
 Corrected Diskette Needed

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

68 <213> ORGANISM: Unknown
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71 <223> OTHER INFORMATION: Angiotensin II derivative
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76 1 5 10
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 11
81 <212> TYPE: PRT
82 <213> ORGANISM: Unknown
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Angiotensin I derivative
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89 Asp Arg Val Tyr Ile His Pro Phe His Leu Cys
90 1 5 10
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 11
95 <212> TYPE: PRT
96 <213> ORGANISM: Unknown
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Angiotensin I derivative
101 <400> SEQUENCE: 6
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104 1 5 10
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 11
109 <212> TYPE: PRT
110 <213> ORGANISM: Unknown
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Angiotensin I derivative
115 <400> SEQUENCE: 7
117 Tyr Asp Arg Val Tyr Ile His Pro Phe His Leu
118 1 5 10
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 11
123 <212> TYPE: PRT
124 <213> ORGANISM: Unknown
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127 <223> OTHER INFORMATION: Angiotensin I derivative
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132 1 5 10
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 12
137 <212> TYPE: PRT
138 <213> ORGANISM: Unknown
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Angiotensin I derivative
144 <220> FEATURE:

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Output Set: N:\CRF4\04262006\I470997B.raw

Gly can only
represent a
single amino
acid

Variable
length not
permitted.
see item

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145 <221> NAME/KEY: MISC_FEATURE
146 <222> LOCATION: (11)..(11)
147 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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164 <220> FEATURE:
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166 <222> LOCATION: (9)..(9)
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175 <210> SEQ ID NO: 11
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177 <212> TYPE: PRT
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186 <222> LOCATION: (2)..(2)
187 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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192 1 5 10
195 <210> SEQ ID NO: 12
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197 <212> TYPE: PRT
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207 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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212 1 5 10
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 23
217 <212> TYPE: PRT
218 <213> ORGANISM: Unknown

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TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

220 <220> FEATURE:
221 <223> OTHER INFORMATION: Angiotensin derivative
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230 <221> NAME/KEY: MISC_FEATURE
231 <222> LOCATION: (13)..(13)
232 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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237 1 5 10 15
240 Tyr Ile His Pro Phe His Leu
241 20
244 <210> SEQ ID NO: 14
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246 <212> TYPE: PRT
247 <213> ORGANISM: Unknown
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Angiotensin derivative
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254 <221> NAME/KEY: MISC_FEATURE
255 <222> LOCATION: (11)..(11)
256 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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259 <221> NAME/KEY: MISC_FEATURE
260 <222> LOCATION: (13)..(13)
261 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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266 1 5 10 15
269 Tyr Ile His Pro Phe
270 20
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275 <212> TYPE: PRT
276 <213> ORGANISM: Unknown
278 <220> FEATURE:
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283 <221> NAME/KEY: MISC_FEATURE
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285 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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288 <221> NAME/KEY: MISC_FEATURE
289 <222> LOCATION: (13)..(13)
290 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
292 <400> SEQUENCE: 15

RAW SEQUENCE LISTING

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TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

294 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val
295 1 5 10 15
298 Tyr Ile His Pro Phe His Leu
299 20
302 <210> SEQ ID NO: 16
303 <211> LENGTH: 21
304 <212> TYPE: PRT
305 <213> ORGANISM: Unknown
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Angiotensin derivative
311 <220> FEATURE:
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314 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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317 <221> NAME/KEY: MISC_FEATURE
318 <222> LOCATION: (13)..(13)
319 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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323 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val
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327 Tyr Ile His Pro Phe
328 20
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332 <211> LENGTH: 21
333 <212> TYPE: PRT
334 <213> ORGANISM: Unknown
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337 <223> OTHER INFORMATION: Angiotensin derivative
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342 <222> LOCATION: (9)..(9)
343 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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346 <221> NAME/KEY: MISC_FEATURE
347 <222> LOCATION: (11)..(11)
348 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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353 1 5 10 15
356 His Pro Phe His Leu
357 20
360 <210> SEQ ID NO: 18
361 <211> LENGTH: 19
362 <212> TYPE: PRT
363 <213> ORGANISM: Unknown
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Angiotensin derivative
369 <220> FEATURE:

Please
correct
this error
in subsequent
sequences

VERIFICATION SUMMARY

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